

Piedmont Regional Office
MAR 28 2013
RECEIVED

LAND APPLICATION SITE

RICHARD H AVERY SITE

DWRHA 1-7

DINWIDDIE COUNTY

RECYC SYSTEMS, INC

PART D-VI BIOSOLIDS APPLICATION AGREEMENT

This biosolids application agreement is made on 8-21-12 between RICHARD H. AVERY referred to here as "landowner", and Recyc Systems, Inc. referred to here as the "Permittee".

5717 Landowner is the owner of agricultural land shown on the map attached as Exhibit A and designated there as Lennie R. McKenney (landowner's land). Permittee agrees to apply and landowner agrees to comply with certain permit requirements following application of biosolids on landowner's land in amounts and in a manner authorized by (VPA) (VPDES) permit number 1 which is held by the Permittee.

Landowner acknowledges that the appropriate application of biosolids will be beneficial in providing fertilizer and soil conditioning to the property and consents to the application of biosolids on his property. Moreover, landowner acknowledges having been expressly advised that, in order to protect public health:

1. Public access to landowner's land upon which biosolids have been applied should be controlled for at least 30 days following any application of biosolids and no biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols;
2. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil, or 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation. Other food crops, feed crops and fiber crops shall not be harvested for 30 days after the application of biosolids;
3. Following biosolids application to pasture or hayland sites, meat producing livestock should not be grazed or fed chopped foliage for 30 days and lactating dairy animals should be similarly restricted for a minimum of 60 days. Other animals should be restricted from grazing for 30 days;
4. Supplemental commercial fertilizer or manure applications should be coordinated with the biosolids applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia to be supplied to the landowner by the permittee at the time of application of biosolids to a specific permitted site;
5. Tobacco, because it has been shown to accumulate cadmium, should not be grown on landowner's land for three years following the application of biosolids borne cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).
6. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by the permitting authority.

The landowner agrees to allow county officials access to the area of the property permitted for biosolids, whenever necessary, to complete site inspections related to the scheduled biosolids program.

Permittee agrees to notify landowner or landowner designee of the proposed schedule for biosolids application and specifically prior to any particular application to landowner's land. This agreement may be terminated by either party upon written notice to the address specified below.

Richard H. Avery
Landowner Signature:
Richard H. Avery
Landowner Print Name

Mailing Address:
5717 Lennie Rd.
McKENNEY, VA 23812
Phone: 804 478-4002

Mailing Address:

Farm Operator Signature:

Farm Operator Print Name:

Permittee:
Recyc Systems, Inc.

Mailing Address:
P.O. Box 562
Remington Virginia 22734
(540) 547-3300

RECYC SYSTEMS, INC

PART D-VI BIOSOLIDS APPLICATION AGREEMENT

This biosolids application agreement is made on 8-21-12 between Lois T. Avery referred to here as "landowner", and Recyc Systems, Inc, referred to here as the "Permittee".

16317 EPP3 RD WITH VA
Landowner is the owner of agricultural land shown on the map attached as Exhibit A and designated there as with certain permit requirements following application of biosolids on landowner's land in amounts and in a manner authorized by (VPA) (VPDES) permit number _____ which is held by the Permittee.

Landowner acknowledges that the appropriate application of biosolids will be beneficial in providing fertilizer and soil conditioning to the property and consents to the application of biosolids on his property. Moreover, landowner acknowledges having been expressly advised that, in order to protect public health:

1. Public access to landowner's land upon which biosolids have been applied should be controlled for at least 30 days following any application of biosolids and no biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols;
2. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil, or 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation. Other food crops, feed crops and fiber crops shall not be harvested for 30 days after the application of biosolids;
3. Following biosolids application to pasture or hayland sites, meat producing livestock should not be grazed or fed chopped foliage for 30 days and lactating dairy animals should be similarly restricted for a minimum of 60 days. Other animals should be restricted from grazing for 30 days;
4. Supplemental commercial fertilizer or manure applications should be coordinated with the biosolids applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia to be supplied to the landowner by the permittee at the time of application of biosolids to a specific permitted site;
5. Tobacco, because it has been shown to accumulate cadmium, should not be grown on landowner's land for three years following the application of biosolids borne cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).
6. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by the permitting authority.

The landowner agrees to allow county officials access to the area of the property permitted for biosolids, whenever necessary, to complete site inspections related to the scheduled biosolids program.

Permittee agrees to notify landowner or landowner designee of the proposed schedule for biosolids application and specifically prior to any particular application to landowner's land. This agreement may be terminated by either party upon written notice to the address specified below.

Lois T. Avery
Landowner Signature:

Mailing Address:

5717 Lennie Road

McKenney, VA 23872

Phone: 804 478 4003

Mailing Address:

23219 Shippers Rd

McKenney, Va 23872

Phone: 804 478 4853

Mailing Address:

P.O. Box 562

Remington Virginia 22734

(540) 547-3300

Lois T. Avery
Landowner Print Name

William R. Avery
Farm Operator Signature:

William R. Avery
Farm Operator Print Name:

Permittee:

Recyc Systems, Inc.

RECYC SYSTEMS, INC

PART D-VI BIOSOLIDS APPLICATION AGREEMENT

This biosolids application agreement is made on 8-21-12 between CLARA CHITTY, referred to here as "landowner", and Recyc Systems, Inc., referred to here as the "Permittee".

Landowner is the owner of agricultural land shown on the map attached as Exhibit A and designated there as 16317 Eggs Rd, Dawitt, VA ("landowner's land"). Permittee agrees to apply and landowner agrees to comply with certain permit requirements following application of biosolids on landowner's land in amounts and in a manner authorized by (VPA) (VPDES) permit number _____ which is held by the Permittee.

Landowner acknowledges that the appropriate application of biosolids will be beneficial in providing fertilizer and soil conditioning to the property and consents to the application of biosolids on his property. Moreover, landowner acknowledges having been expressly advised that, in order to protect public health:

1. Public access to landowner's land upon which biosolids have been applied should be controlled for at least 30 days following any application of biosolids and no biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols;
2. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil, or 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation. Other food crops, feed crops and fiber crops shall not be harvested for 30 days after the application of biosolids;
3. Following biosolids application to pasture or hayland sites, meat producing livestock should not be grazed or fed chopped foliage for 30 days and lactating dairy animals should be similarly restricted for a minimum of 60 days. Other animals should be restricted from grazing for 30 days;
4. Supplemental commercial fertilizer or manure applications should be coordinated with the biosolids applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia to be supplied to the landowner by the permittee at the time of application of biosolids to a specific permitted site;
5. Tobacco, because it has been shown to accumulate cadmium, should not be grown on landowner's land for three years following the application of biosolids borne cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).
6. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by the permitting authority.

The landowner agrees to allow county officials access to the area of the property permitted for biosolids, whenever necessary, to complete site inspections related to the scheduled biosolids program.

Permittee agrees to notify landowner or landowner designee of the proposed schedule for biosolids application and specifically prior to any particular application to landowner's land. This agreement may be terminated by either party upon written notice to the address specified below.

Clara Chitty
Landowner Signature:

CLARA CHITTY
Landowner Print Name

William Mery
Farm Operator Signature:

Farm Operator Print Name:

Permittee:
Recyc Systems, Inc.

Mailing Address:
465 Patricia Dr

Dale, VA 24153

Phone: 540-389-0069

Mailing Address:

Phone: _____

Mailing Address:
P.O. Box 562
Remington Virginia 22734
(540) 547-3300

Landowner Coordination Form

This form is used by the Permittee to identify properties (tax parcels) that are authorized to receive biosolids and/or industrial residuals, and each of the legal landowners of those tax parcels. A Land Application Agreement-Biosolids and Industrial Residuals from original signature must be attached for each legal landowner identified below prior to land application at the identified parcels.

Permittee: RECYC SYSTEMSCounty or City: DINWIDDIE COUNTY

Please Print

Signature not required on this page

<u>Tax Parcel ID(s)</u>	<u>Landowners (s)</u>
TM65, P25	Richard H. & Lois T. Avery
TM65,P25A	Richard H. & Lois T. Avery
TM70,P43	Lois T. Avery
TM70,P45	Lois T. Avery & Clara Chitty

FARM DATA SHEET

SITE NAME:	Richard H. Avery Site	COUNTY:	Dinwiddie
OWNER:	See Attached	OPERATOR:	William R. Avery
OWNER'S	See Attached	OPERATOR'S	23219 Shippings Rd.
ADDRESS:		ADDRESS:	McKenney, VA 23872
OWNER'S TELEPHONE:		OPERATOR'S TELEPHONE:	804-478-4853
GENERAL FARM TYPE:	Hay/pasture	CELL PHONE:	
# CATTLE:		EMAIL:	
LAGOON or SLURRY:	None	LATITUDE/ LONGITUDE:	1-5 37° 00'00" 77° 48'10"
TOPO QUAD:	Warfield, Darvills, Dewitt, Dinwiddie		6-7 37° 00'51" 77° 37'00"
COMMENTS:			

RECYC SYSTEMS, INC

FIELD DATA SHEET

Field Identification	Gross Acres	Environmentally Sensitive Soils				Hydro Map	Tax Map #	FSA Tract #
		Water Table	Bed Rock/Shallow	Surf/Leach	Freq Flood			
DWRHA 1	20.3	-	-	-	-	CU11	TM65,P25A	T416 Field 5
DWRHA 2	19.6	-	-	-	-	CU11	TM65,P25A	T416 Fields 6,7,10
DWRHA 3	14.8	-	-	-	-	CU11	TM65,P25A	T416 Fields 0,4
DWRHA 4	14.2	-	-	-	-	CU11	TM65,P25A	T416 Fields 1,2,3
DWRHA 5	22.8	-	-	-	-	CU11	TM65,P25	T5726 Field 1
DWRHA 6	14.3	-	-	-	-	CU23	TM70,P43,45	T720 Fields 0,6,7
DWRHA 7	25.9	9B(Jan-Apr) 12B(Dec-Mar)	-	-	-	CU23	TM70,P43	T720 Fields 1,2,3,4,5
TOTAL ACRES IN SITE	131.9							

Report Number: 12-264-0502

Account Number: 70594



www.aleastern.com

A&L Eastern Laboratories

7621 Whitepine Road Richmond, Virginia 23237 (804) 743-9401 Fax (804) 271-6446

Send To: RECYC SYSTEMS INC
SUSAN TRUMBO
8455 WHITESHOP RD
CULPEPER VA 22701

Grower:
RICHARD AVERY/DWRHA
DINWIDDIE

Submitted By: CHARLES CARLO
Farm ID:

SOIL ANALYSIS REPORT

Analytical Method(s):
Mehlich 3

Date Received: 09/20/2012

Date Of Analysis: 09/21/2012

Date Of Report: 09/24/2012

Sample ID Field ID	Lab Number	Organic Matter			Phosphorus				Potassium		Magnesium		Calcium		Sodium		pH		Acidity		C.E.C
		%	Rate	ENR lbs/A	Mehlich 3 ppm	Rate	Reserve ppm	Rate	K ppm	Rate	Mg ppm	Rate	Ca ppm	Rate	Na ppm	Rate	Soil pH	Buffer Index	H meq/100g	meq/100g	
1 DWRHA 1	02086	4.0	M 12	122	41	M			149	H	175	H	631	M			6.2	6.86	0.7	5.7	
2 DWRHA 2	02087	3.6	M 11	114	35	M			138	H	157	H	626	M			6.1	6.85	0.8	5.6	
3 DWRHA 3	02088	2.9	M 10	102	49	M			90	M	118	H	488	M			5.8	6.84	0.9	4.5	
4 DWRHA 4	02089	3.2	M 10	106	69	H			163	H	144	H	634	M			5.8	6.82	1.1	5.9	
5 DWRHA 5	02090	3.9	M 12	120	38	M			133	H	168	H	690	M			6.2	6.86	0.7	5.9	

Sample ID Field ID	Percent Base Saturation					Nitrate		Sulfur		Zinc		Manganese		Iron		Copper		Boron		Soluble Salts		Chloride		Aluminum	
	K %	Mg %	Ca %	Na %	H %	NO ₃ N ppm	Rate	S ppm	Rate	Zn ppm	Rate	Mn ppm	Rate	Fe ppm	Rate	Cu ppm	Rate	B ppm	Rate	SS ms/cm	Rate	Cl ppm	Rate	Al ppm	
1 DWRHA 1	6.7	25.6	55.4		12.1																				
2 DWRHA 2	6.3	23.4	55.9		13.6																				
3 DWRHA 33	5.1	21.9	54.2		19.1																				
4 DWRHA 4	7.1	20.3	53.7		19.1																				
5 DWRHA 5	5.8	23.7	58.5		12.1																				

Values on this report represent the plant available nutrients in the soil. Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High). ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre), ms/cm (milli-mhos per centimeter), meq/100g (milli-equivalent per 100 grams). Conversions: ppm x 2 = lbs/A, Soluble Salts ms/cm x 640 = ppm.

This report applies to sample(s) tested. Samples are retained a maximum of thirty days after testing.

Analysis prepared by: A&L Eastern Laboratories, Inc.

by: *Paucic McGeary*

Paucic McGeary

Report Number: 12-264-0502

Account Number: 70594



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A&L Eastern Laboratories

7621 Whitepine Road Richmond, Virginia 23237 (804) 743-9401 Fax (804) 271-6446

Send To: RECYC SYSTEMS INC
SUSAN TRUMBO
8455 WHITESHOP RD
CULPEPER VA 22701

Grower:
RICHARD AVERY/DWRHA
DINWIDDIE

Submitted By: CHARLES CARLO
Farm ID:

Date Received: 09/20/2012

Date Of Report: 09/24/2012 SOI

SOIL FERTILITY RECOMMENDATIONS

Sample ID Field ID	Intended Crop	Yield Goal	Lime Tons/A	Nitrogen N lb/A	Phosphate P ₂ O ₅ lb/A	Potash K ₂ O lb/A	Magnesium Mg lb/A	Sulfur S lb/A	Zinc Zn lb/A	Manganese Mn lb/A	Iron Fe lb/A	Copper Cu lb/A	Boron B lb/A
1 DWRHA-1	Adjust pH to 6.86.8	0	1.3				0						
2 DWRHA-2	Adjust pH to 6.86.8	0	1.3				0						
3 DWRHA-3	Adjust pH to 6.86.8	0	1.5				0						
4 DWRHA-4	Adjust pH to 6.86.8	0	1.5				0						
5 DWRHA-5	Adjust pH to 6.86.8	0	1.3				0						

Comments:

"The recommendations are based on research data and experience, but NO GUARANTEE or WARRANTY expressed or implied, concerning crop performance is made."

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Pauric McGroary

Pauric McGroary

Report Number: 12-264-0502

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Send To: RECYC SYSTEMS INC
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Grower:
RICHARD AVERY/DWRHA
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Submitted By: CHARLES CARLO
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SOIL ANALYSIS REPORT

Analytical Method(s):
Mehlich 3

Date Received: 09/20/2012

Date Of Analysis: 09/21/2012

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Date Of Report: 09/24/2012

Sample ID Field ID	Lab Number	Organic Matter			Phosphorus				Potassium		Magnesium		Calcium		Sodium		pH		Acidity	C.E.C	
		%	Rate	ENR lbs/A	Mehlich 3 ppm	Rate	Reserve ppm	Rate	K ppm	Rate	Mg ppm	Rate	Ca ppm	Rate	Na ppm	Rate	Soil pH	Buffer Index	H meq/100g	meq/100g	
7 DWRHA 6	02091	3.1	M	M 10	103		28	L		83	L	186	H	773	M			6.5	6.88	0.5	6.1
8 DWRHA 7	02092	1.5	L	L 7	77		127	VH		65	L	48	H	234	M			5.5	6.87	0.6	2.3

Sample ID Field ID	Percent Base Saturation					Nitrate		Sulfur		Zinc		Manganese		Iron		Copper		Boron		Soluble Salts		Chloride		Aluminum	
	K %	Mg %	Ca %	Na %	H %	NO ₃ N ppm	Rate	S ppm	Rate	Zn ppm	Rate	Mn ppm	Rate	Fe ppm	Rate	Cu ppm	Rate	B ppm	Rate	SS ms/cm	Rate	Cl ppm	Rate	Al ppm	
7 DWRHA 6	3.5	25.4	63.4		7.4																				
8 DWRHA 7	7.2	17.4	50.9		26.2																				

Values on this report represent the plant available nutrients in the soil. Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High). ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre), ms/cm (milli-mhos per centimeter), meq/100g (milli-equivalent per 100 grams). Conversions: ppm x 2 = lbs/A, Soluble Salts ms/cm x 640 = ppm.

This report applies to sample(s) tested. Samples are retained a maximum of thirty days after testing.

Analysis prepared by: A&L Eastern Laboratories, Inc.

by: *Paucic McGroary*

Paucic McGroary

Report Number: 12-264-0502

Account Number: 70594



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A&L Eastern Laboratories

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Send To: RECYC SYSTEMS INC
SUSAN TRUMBO
8455 WHITESHOP RD
CULPEPER VA 22701

Grower:

RICHARD AVERY/DWRHA
DINWIDDIE

Submitted By: CHARLES CARLO

Farm ID:

Date Received: 09/20/2012

Date Of Report: 09/24/2012

SOIL FERTILITY RECOMMENDATIONS

Sample ID Field ID	Intended Crop	Yield Goal	Lime Tons/A	Nitrogen N lb/A	Phosphate P ₂ O ₅ lb/A	Potash K ₂ O lb/A	Magnesium Mg lb/A	Sulfur S lb/A	Zinc Zn lb/A	Manganese Mn lb/A	Iron Fe lb/A	Copper Cu lb/A	Boron B lb/A
7 DWRHA 6	Adjust pH to 6.8	0	1.0				0						
8 DWRHA 7	Adjust pH to 6.8	0	1.8				32						

Comments:

Sample(s) : 8 Crop: Adjust pH to 6.8

If dolomitic lime is not used, apply required magnesium with magnesium oxide. Epsom Salts, K-Mag or Sul-PO-Mag.

"The recommendations are based on research data and experience, but NO GUARANTEE or WARRANTY expressed or implied, concerning crop performance is made."

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Pauric McGroary

THE PLANNER IS NOT STATE CERTIFIED

***Nutrient Management Plan Balance Sheet
(Spring, 2013-Summer, 2014)***

Richard H. Avery

Planner: Recyc Systems, Inc

Tract: 416

Location: Dinwiddie

(N = N based, 1P = P based, 1.5P = P based at 1.5 removal, 0P = No P allowed)

Field CFSA No. /Name	Size (ac) Total/ Used	Yr.	Crop	Needs N-P-K (lbs/ac)	Leg /Man Resid	Manure/Biosld Rate & Type (season)	IT (d)	Man/Bios N-P-K (lbs/ac)	Net = Needs - appld N-P-K (lbs/ac)	Sum P rem cred	Commercial N-P-K (lbs/ac)	Notes	
5/DWRHA 1(N)	20/20	2013	Hay/Pasture	120-70-90	0/0				120-70-90	N/A			
6,7,10/DWRHA 2(N)	20/20	2013	Hay/Pasture	120-80-145	0/0				120-80-145	N/A			
0,4/DWRHA 3(N)	15/15	2013	Hay/Pasture	120-60-170	0/0				120-60-170	N/A			
1,2,3/DWRHA 4(N)	14/14	2013	Hay/Pasture	120-50-90	0/0				120-50-90	N/A			

Commercial Application Methods:

br - Broadcast ba - Banded sd - Sidedress

Notes:

Tract: 720 Location: Dinwiddie
 (N = N based, 1P = P based, 1.5P = P based at 1.5 removal, 0P = No P allowed)

Field CFSA No. /Name	Size (ac) Total/ Used	Yr.	Crop	Needs N-P-K (lbs/ac)	Leg /Man Resid	Manure/Biosld Rate & Type (season)	IT (d)	Man/Bios N-P-K (lbs/ac)	Net = Needs - appld N-P-K (lbs/ac)	Sum P rem cred	Commercial N-P-K (lbs/ac)	Notes	
1,2,3,4,5/DWRHA 7(N)	26/26	2013	Hay/Pasture	100-40-110	0/0				100-40-110	N/A			

Commercial Application Methods:
 br - Broadcast ba - Banded sd - Sidedress

Notes:

Tract: 5726 Location: Dinwiddie
 (N = N based, 1P = P based, 1.5P = P based at 1.5 removal, 0P = No P allowed)

Field CFSA No. /Name	Size (ac) Total/ Used	Yr.	Crop	Needs N-P-K (lbs/ac)	Leg /Man Resid	Manure/Biosld Rate & Type (season)	IT (d)	Man/Bios N-P-K (lbs/ac)	Net = Needs - appld N-P-K (lbs/ac)	Sum P rem cred	Commercial N-P-K (lbs/ac)	Notes	
1/DWRHA 5(N)	23/23	2013	Hay/Pasture	120-80-145	0/0				120-80-145	N/A			
0,6,7/DWRHA 6(N)	14/14	2013	Hay/Pasture	120-90-170	0/0				120-90-170	N/A			

Commercial Application Methods:
 br - Broadcast ba - Banded sd - Sidedress

Notes:

Soil Test Summary

Tract	Field	Acre	Date	P205	K20	Lab	Soil pH	Lime Date	rec. lime tons/Ac
416	DWRHA 1	20	2012-Su	M+ (41 P ppm)	H (149 K ppm)	A&L Mill	6.2		
416	DWRHA 2	20	2012-Su	M (35 P ppm)	H- (138 K ppm)	A&L Mill	6.1		
416	DWRHA 3	15	2012-Su	H- (49 P ppm)	M (90 K ppm)	A&L Mill	5.8		
416	DWRHA 4	14	2012-Su	H (69 P ppm)	H (163 K ppm)	A&L Mill	5.8		
720	DWRHA 7	26	2012-Su	H+ (127 P ppm)	M- (65 K ppm)	A&L Mill	5.5		
5726	DWRHA 5	23	2012-Su	M (38 P ppm)	H- (133 K ppm)	A&L Mill	6.2		
5726	DWRHA 6	14	2012-Su	M- (28 P ppm)	M (83 K ppm)	A&L Mill	6.5		

Field Productivities for Major Crops

Tract Name	Tract/ Field	Field Name	Acres	Predominant Soil Series	Corn	Small Grain	Alfalfa	Grass Hay	Environmental Warnings
416	416/5	DWRHA 1	20	Cecil	IVa	II	III	II	
	416/6,7,10	DWRHA 2	20	Cecil	IVa	II	III	II	
	416/04	DWRHA 3	15	Cecil	IVa	II	III	II	
	416/11,23	DWRHA 4	14	Cecil	IVa	II	III	II	
720	720/1,2,3,4	DWRHA 7	26	Herndon	IVa	II	III	III	
5726	5726/1	DWRHA 5	23	Cecil	IVa	II	III	II	
	5726/0,6,7	DWRHA 6	14	Georgeville	IVa	II	III	II	

Yield Range

Field Productivity Group	Corn Grain Bu/Acre	Barley/Intensive Wheat Bu/Acre	Std. Wheat Bu/Acre	Alfalfa Tons/Acre	Grass/Hay Tons/Acre
I	≥170	≥80	≥64	≥6	≥4.0
II	150-170	70-80	56-64	4-6	3.5-4.0
III	130-150	60-70	48-56	≤4	3.0-3.5
IV	100-130	50-60	40-48	NA	≤3.0
V	≤100	≤50	≤40	NA	NA

Farm Summary Report

Plan: New Plan Spring, 2013 - Summer, 2014

Farm Name: Richard H. Avery
Location: Dinwiddie
Specialist: Recyc Systems, Inc
N-based Acres: 131.9
P-based Acres: 0.0

Tract Name: 416
FSA Number: 416
Location: Dinwiddie

Field Name: DWRHA 1
Total Acres: 20.30 Usable Acres: 20.30
FSA Number: 5
Tract: 416
Location: Dinwiddie
Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft
Distance to stream: 0 ft

Conservation Practices:
Pasture (>75% cover)

P-Index Summary
N-based
Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K		Lab
Su-2012	6.2	M+(41 P ppm)	H(149 K ppm)	A&L MIII	

Soils:

PERCENT	SYMBOL	SOIL SERIES
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91	4B	Cecil
9	4C	Cecil

Field Warnings:

Crop Rotation:

PLANTED	YIELD	CROP NAME
2013-Sp	2.5 * ton	Hay/Pasture - No Till

Field Name: DWRHA 2

Total Acres:	19.60	Usable Acres:	19.60
FSA Number:	6,7,10		
Tract:	416		
Location:	Dinwiddie		
Slope Class:	B	Hydrologic Group:	B

Riparian buffer width: 0 ft
Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K		Lab
Su-2012	6.1	M(35 P ppm)	H-(138 K ppm)	A&L MIII	

Soils:

PERCENT	SYMBOL	SOIL SERIES
78	4B	Cecil
22	4C	Cecil

Field Warnings:

Crop Rotation:

PLANTED YIELD CROP NAME
2013-Sp 2.5 ton Hay/Pasture - No Till

Field Name: DWRHA 3

Total Acres: 14.80 Usable Acres: 14.80

FSA Number: 0,4

Tract: 416

Location: Dinwiddie

Slope Class: C Hydrologic Group: B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K		Lab
Su-2012	5.8	H-(49 P ppm)	M(90 K ppm)	A&L MIII	

Soils:

PERCENT	SYMBOL	SOIL SERIES
37	4B	Cecil
63	4C	Cecil

Field Warnings:

Crop Rotation:

PLANTED YIELD CROP NAME
2013-Sp 2.5 ton Hay/Pasture - No Till

Field Name: DWRHA 4

Total Acres: 14.20 Usable Acres: 14.20

FSA Number: 1,2,3

Tract: 416
Location: Dinwiddie
Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft
Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K		Lab
Su-2012	5.8	H(69 P ppm)	H(163 K ppm)	A&L MIII	

Soils:

PERCENT	SYMBOL	SOIL SERIES
93	4B	Cecil
7	4C	Cecil

Field Warnings:

Crop Rotation:

PLANTED	YIELD	CROP NAME
2013-Sp	2.5 ton	Hay/Pasture - No Till

Tract Name: 720
FSA Number: 720
Location: Dinwiddie

Field Name: DWRHA 7
Total Acres: 25.90 **Usable Acres:** 25.90
FSA Number: 1,2,3,4,5
Tract: 720
Location: Dinwiddie

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K		Lab
Su-2012	5.5	H+(127 P ppm)	M-(65 K ppm)	A&L MIII	

Soils:

PERCENT	SYMBOL	SOIL SERIES
5	9B	Helena
35	10B	Herndon
32	10C	Herndon
29	12B	Mattaponi

Field Warnings:

Crop Rotation:

PLANTED	YIELD	CROP NAME
2013-Sp	2.3 * ton	Hay/Pasture - No Till

Tract Name: 5726

FSA Number: 5726

Location: Dinwiddie

Field Name: DWRHA 5

Total Acres: 22.80 Usable Acres: 22.80

FSA Number: 1

Tract: 5726

Location: Dinwiddie

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K		Lab
Su-2012	6.2	M(38 P ppm)	H-(133 K ppm)	A&L MIII	

Soils:

PERCENT	SYMBOL	SOIL SERIES
1	2B	Appling
75	4B	Cecil
24	4C	Cecil

Field Warnings:

Crop Rotation:

PLANTED	YIELD	CROP NAME
2013-Sp	2.5 * ton	Hay/Pasture - No Till

Field Name: DWRHA 6

Total Acres: 14.30 Usable Acres: 14.30

FSA Number: 0,6,7

Tract: 5726

Location: Dinwiddie

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K		Lab
Su-2012	6.5	M-(28 P ppm)	M(83 K ppm)	A&L Mill	

Soils:

PERCENT	SYMBOL	SOIL SERIES
60	8B	Georgeville
33	10B	Herndon
7	10C	Herndon

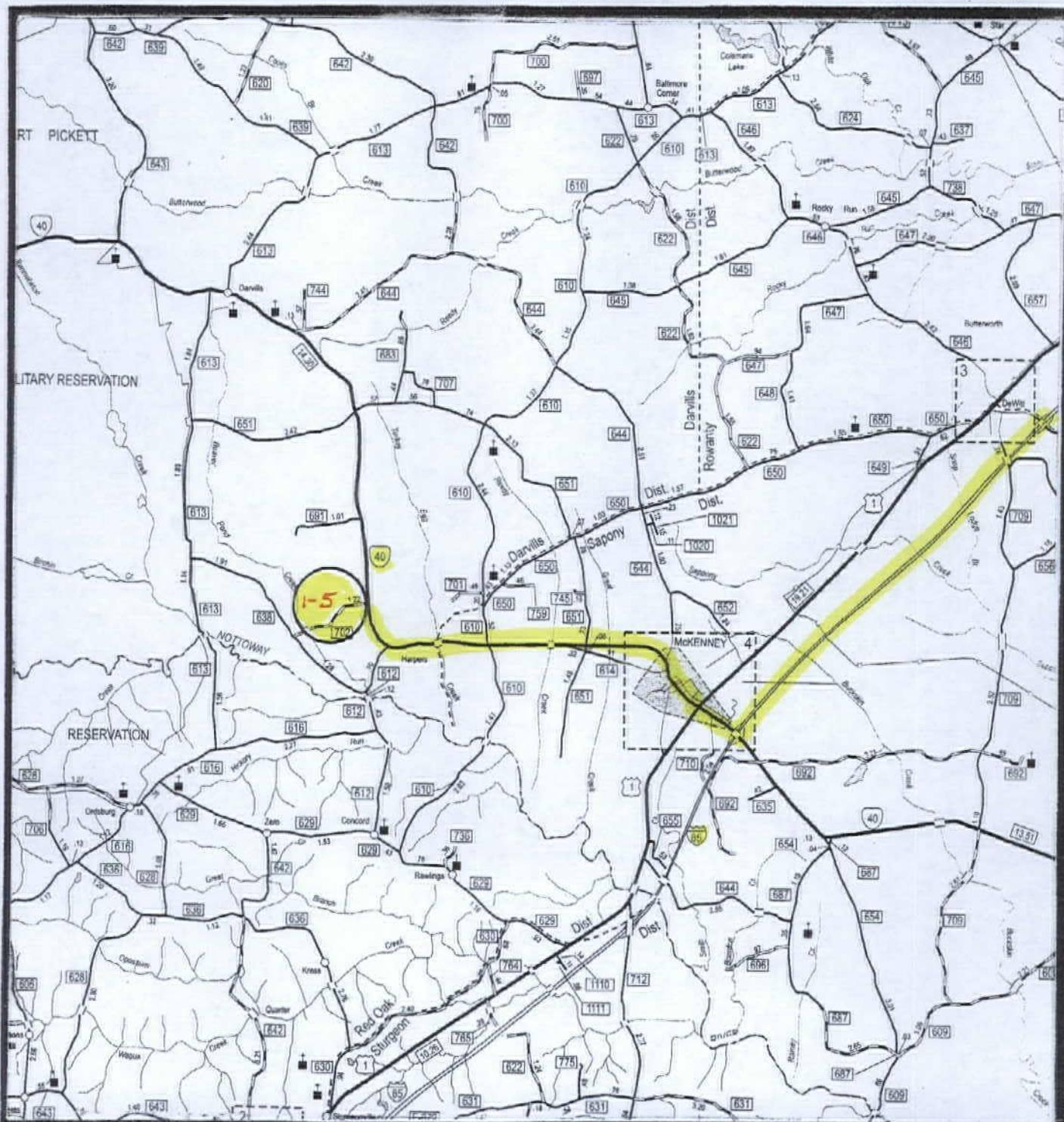
Field Warnings:**Crop Rotation:**

PLANTED	YIELD	CROP NAME
2013-Sp	2.4 * ton	Hay/Pasture - No Till

MAPS

Recyc SystemsTM Inc.

(Biosolids Land Application)



Scale: 1 inch = 2 miles

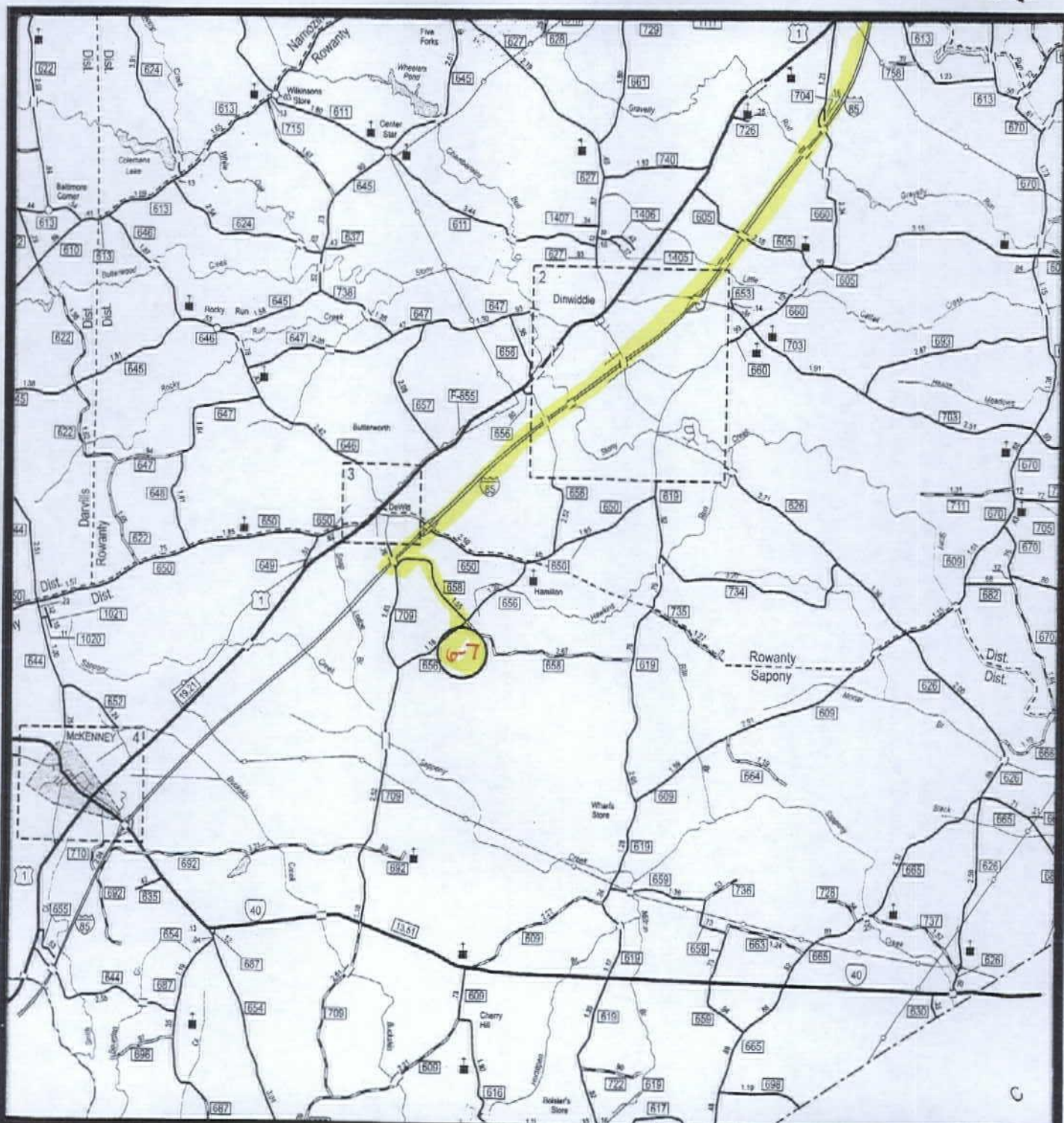
DWRHA 1-5

VICINITY MAP



Recyc SystemsTM Inc.

(Biosolids Land Application)



Scale: 1 inch = 2 miles

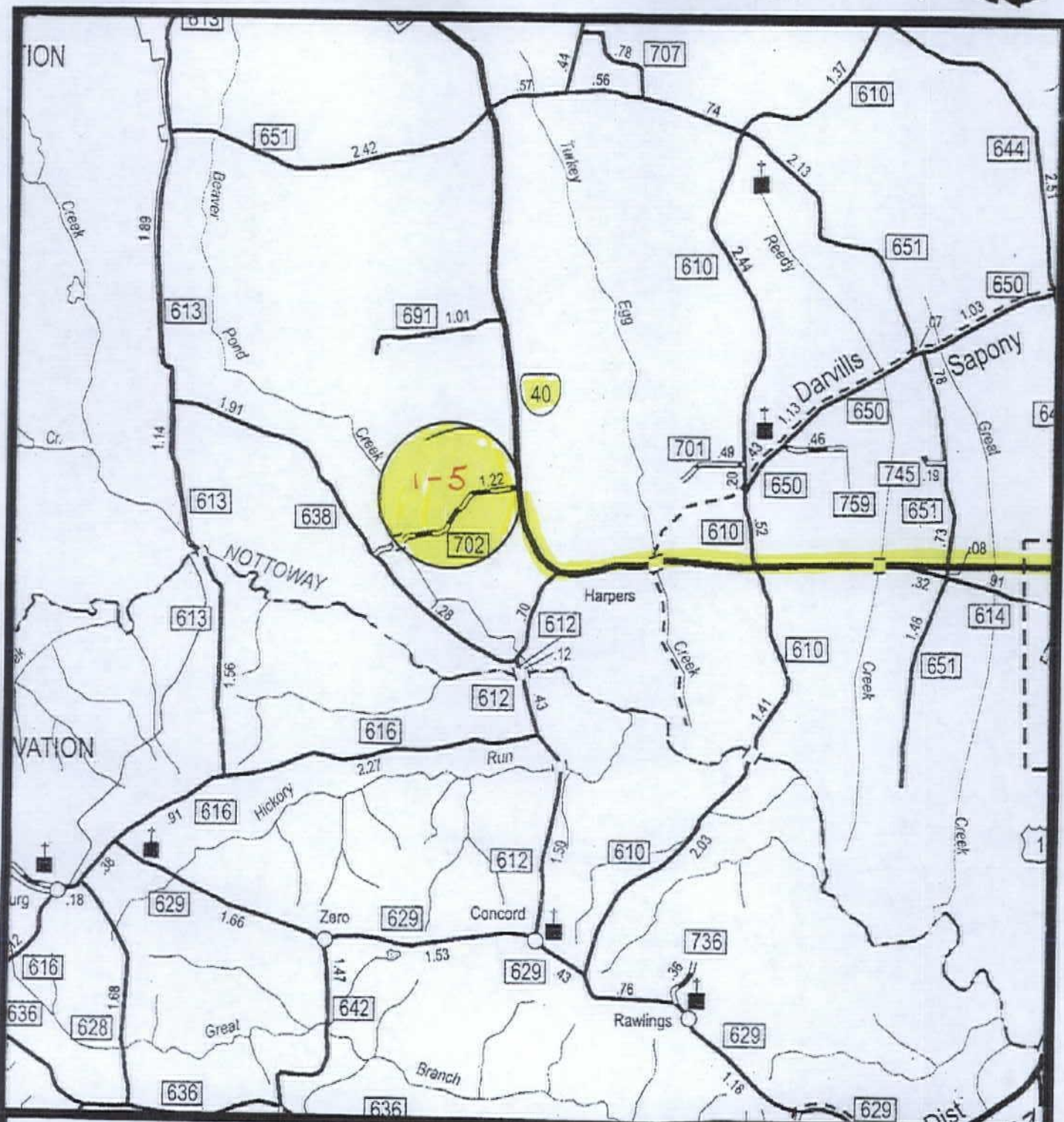
DWRHA 6-7

VICINITY MAP



Recyc SystemsTM Inc.

(Biosolids Land Application)



Scale: 1 inch = 1 mile

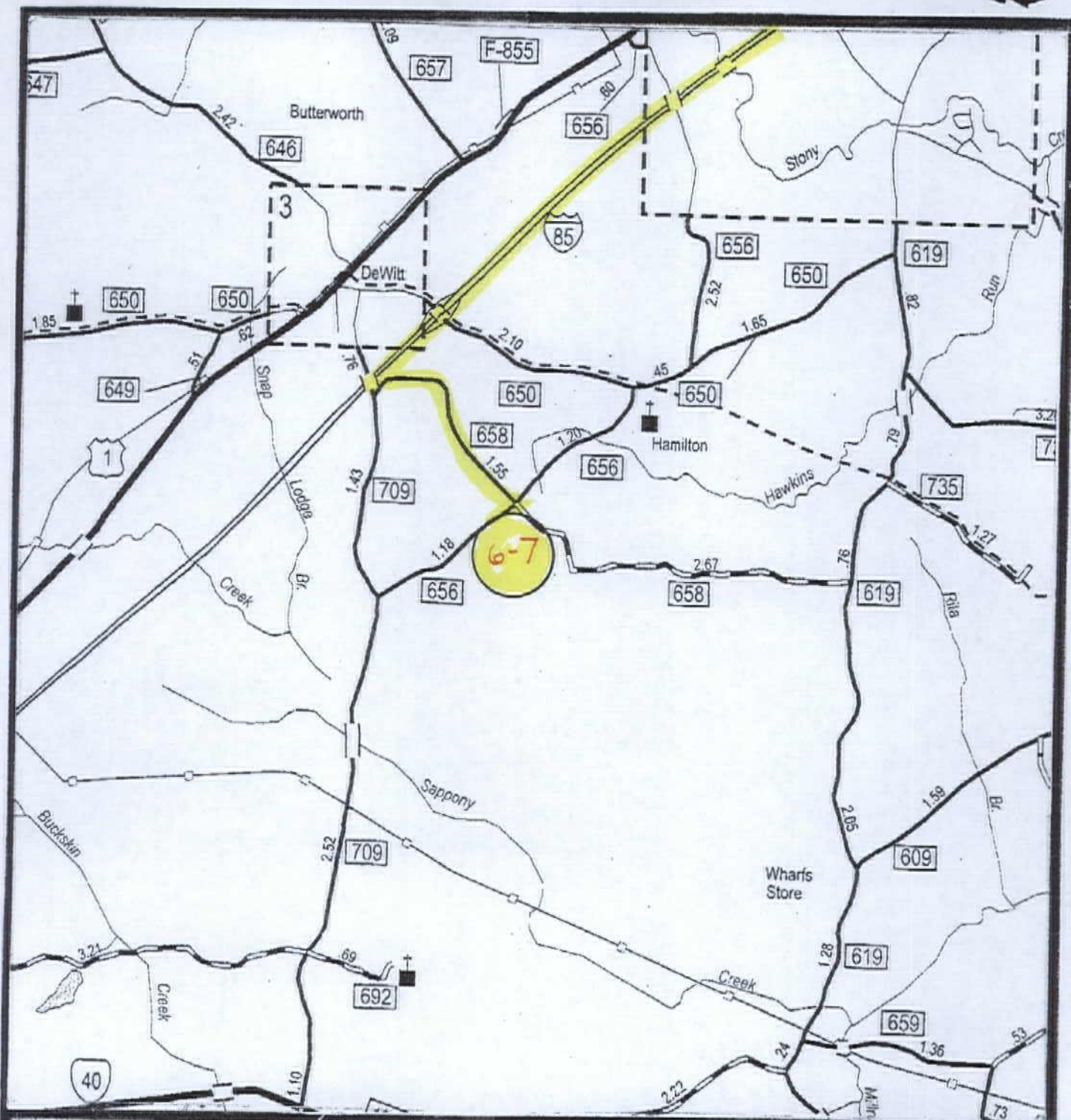
DWRHA 1-5

VICINITY MAP



Recyc SystemsTM Inc.

(Biosolids Land Application)



Scale: 1 inch = 1 mile

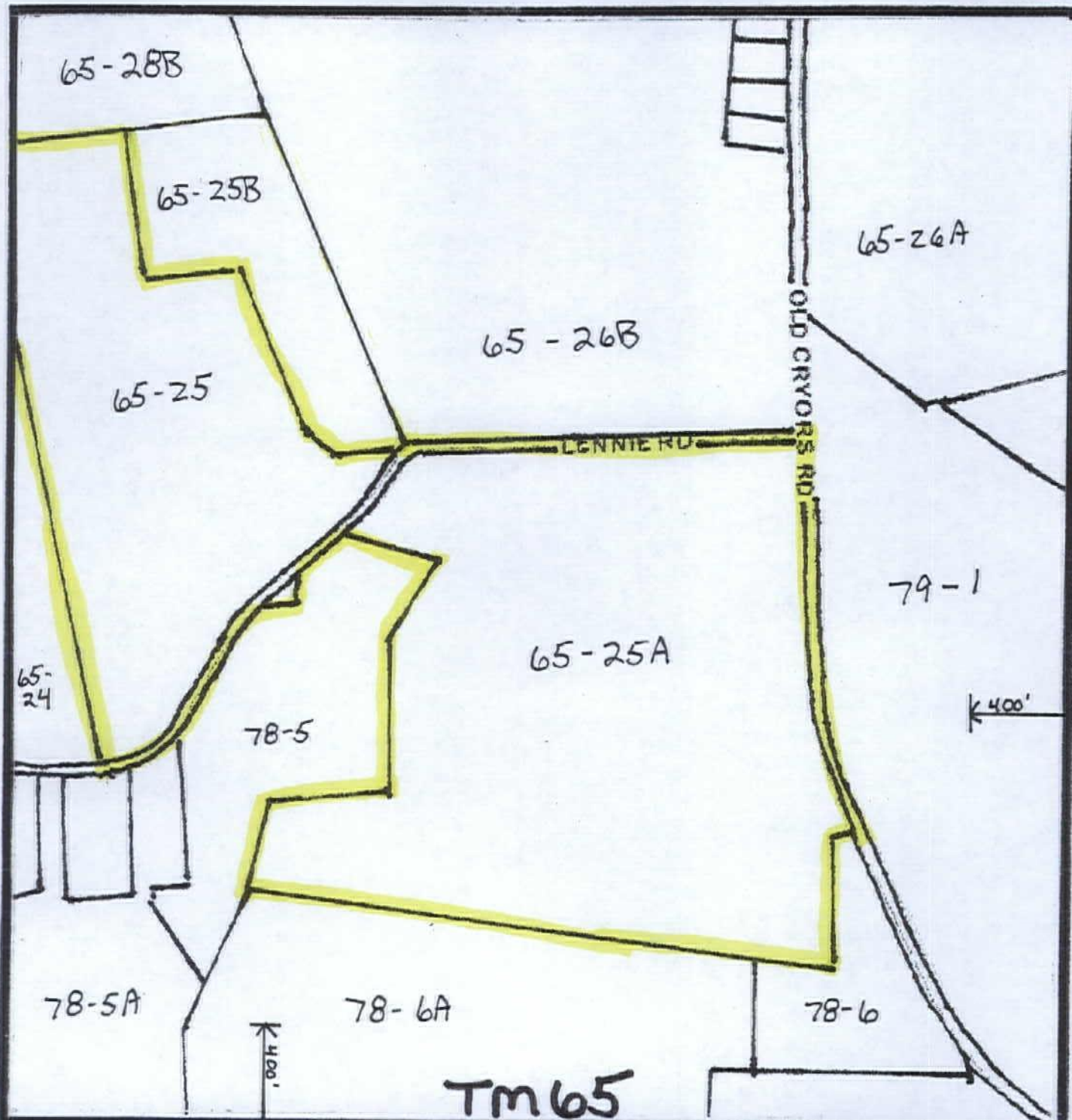
DWRHA 6-7

VICINITY MAP



Recyc SystemsTM Inc.

(Biosolids Land Application)



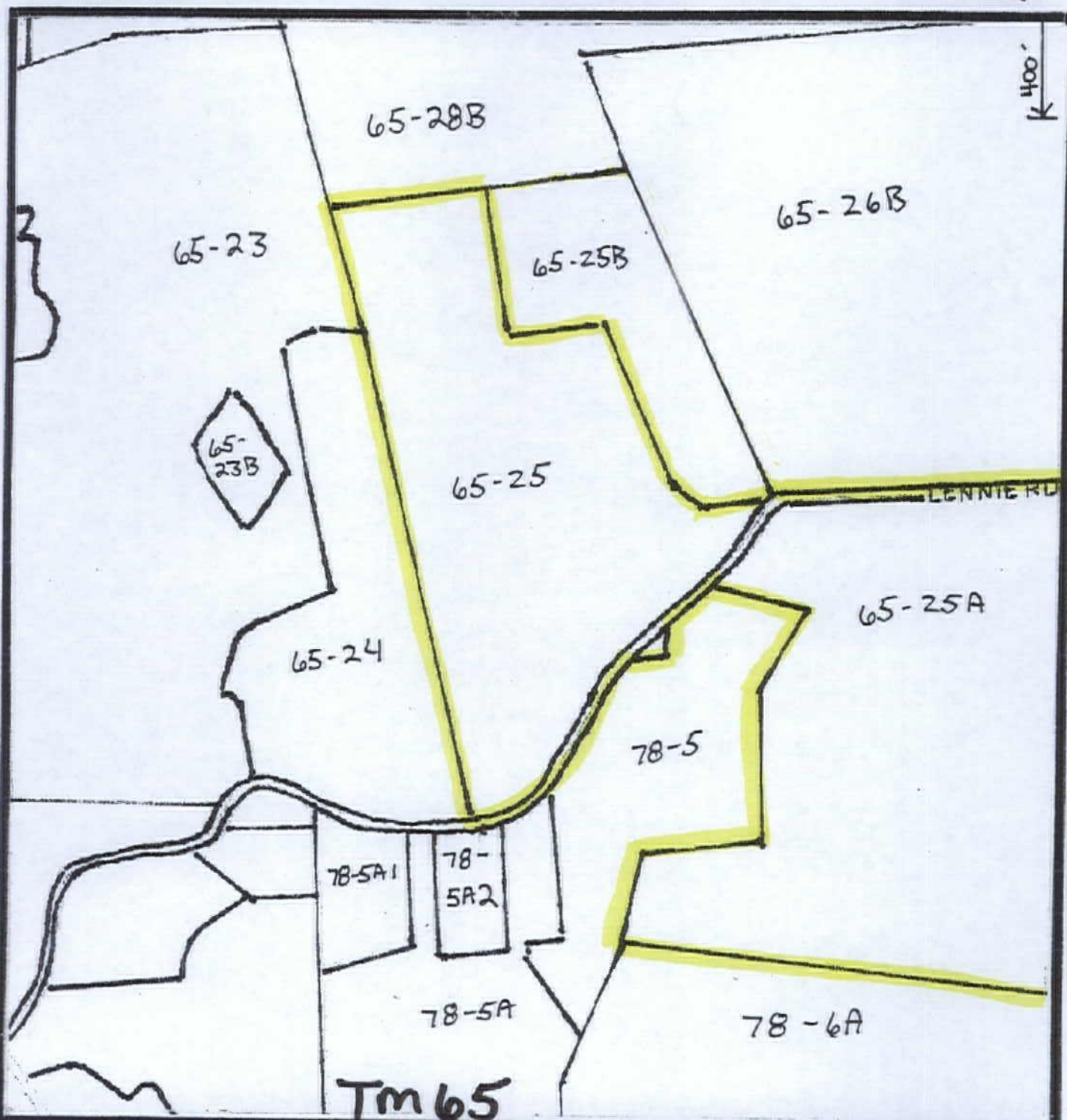
Scale: 1 inch = 660 feet

DWRHA 1-4

TAX MAP



Inc. (Biosolids Land Application)

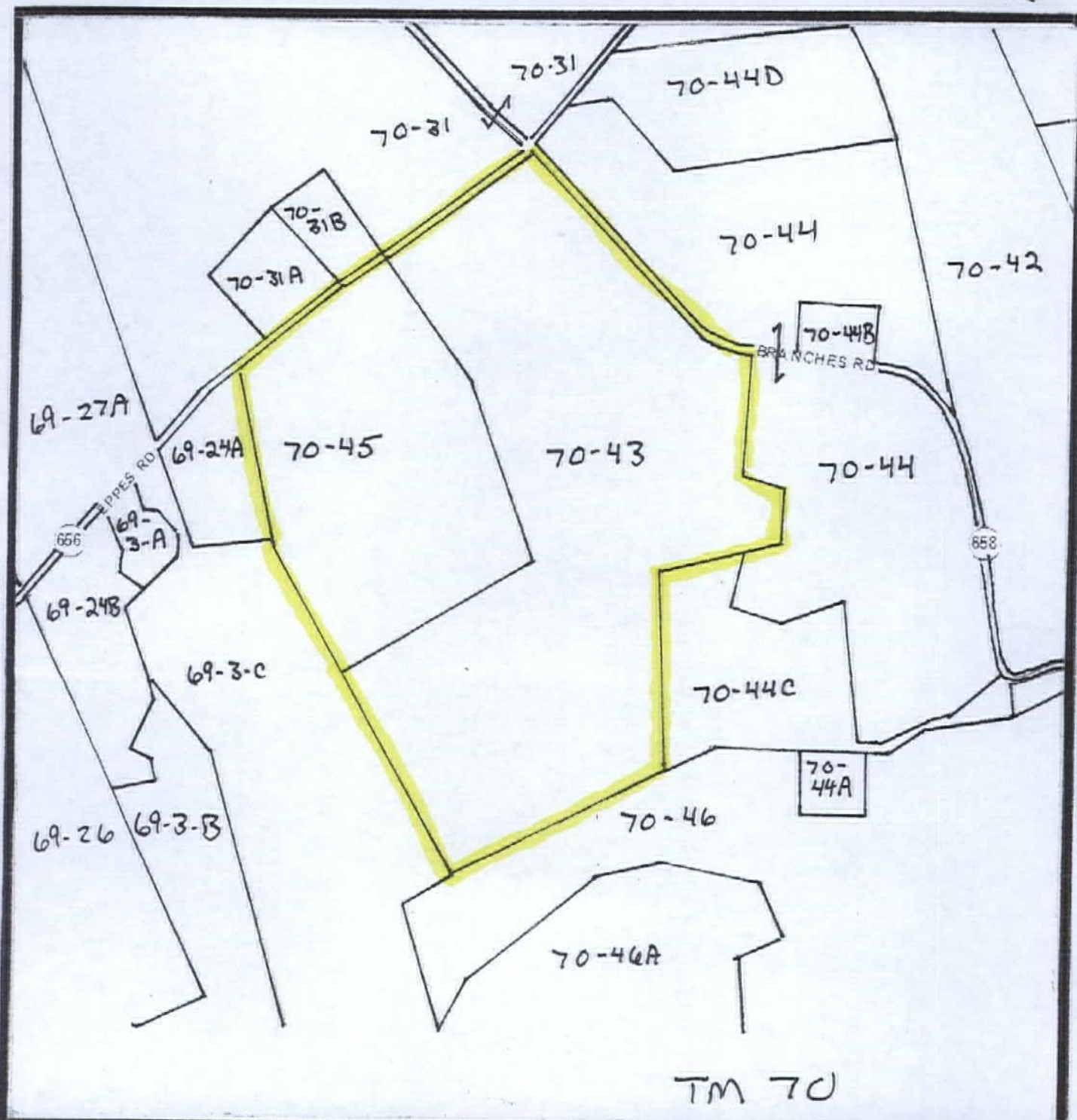


DWRHA 5

N
A

Recyc SystemsTM Inc.

(Biosolids Land Application)



Scale: 1 inch = 660 feet

DWRHA 6-7

TAX MAP



ADJOINING LANDOWNERS

Richard H. Avery

DINWIDDIE COUNTY

Tax Map	Parcel #	Owner Name(s)
65	23	Hugh T. Rogers
	24	William A. & Georgie R. Hudson
	25B	Richard H., Jr. & Lou Ann Avery
	26B	TIAA Timberlands 1 LLC
	28B	TIAA Timberlands 1 LLC
69	3-C	Richard M. Liles
	24A	Richard M. & Mary Ann S. Liles
70	31	J. Hunter Glass & George Powell et als
	31A	Albert K. Glass
	31B	Marcus B. & Susan G. Nye
	44	John M. & Jewel W. Loftis
	44C	Daphne L. Manoley
	46	Warren C. & Nancy B. Bain
78	5	Kathleen S. Foote Trustee - Foote Family Trust
	5A2	Timothy D. & Pamela K. Wilson
	6	Marcia P. & Kimberly L. Campbell
	6A	TIAA Timberlands 1 LLC
79	1	Meade A. Talley, Jr. Trust

Inc.

(Biosolids Land Application)



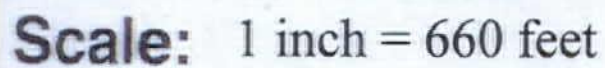
Scale: 1 inch = 660 feet

DWRHA 1-5

SOIL MAP



(Biosolids Land Application)



DWRHA 6-7

SOIL MAP



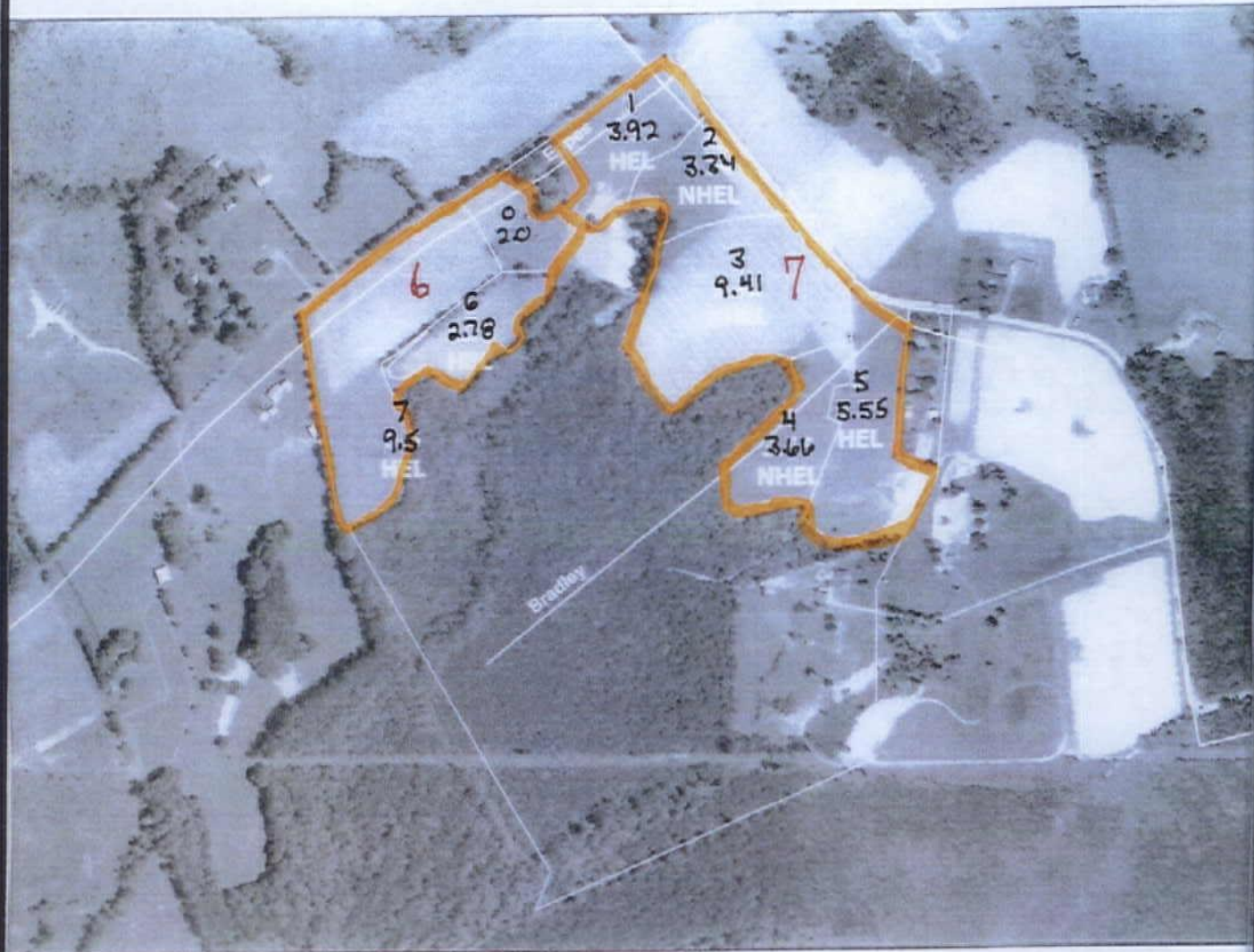


Scale: 1 inch = 660 feet

DWRHA 1-5

AERIAL MAP





T 720

Scale: 1 inch = 660 feet

DWRHA 6-7

AERIAL MAP



Legend for Site Plan



House and Well/Public Building



Well/Spring



Perennial Streams & Surface



Wet Spot



Intermittent Stream/Drainage



Trees and Woods



Private Drive



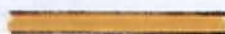
Rock/Rocky Area



Sinkhole



Severely Eroded Spot



State Road



Field Boundary



Fence



Property Line



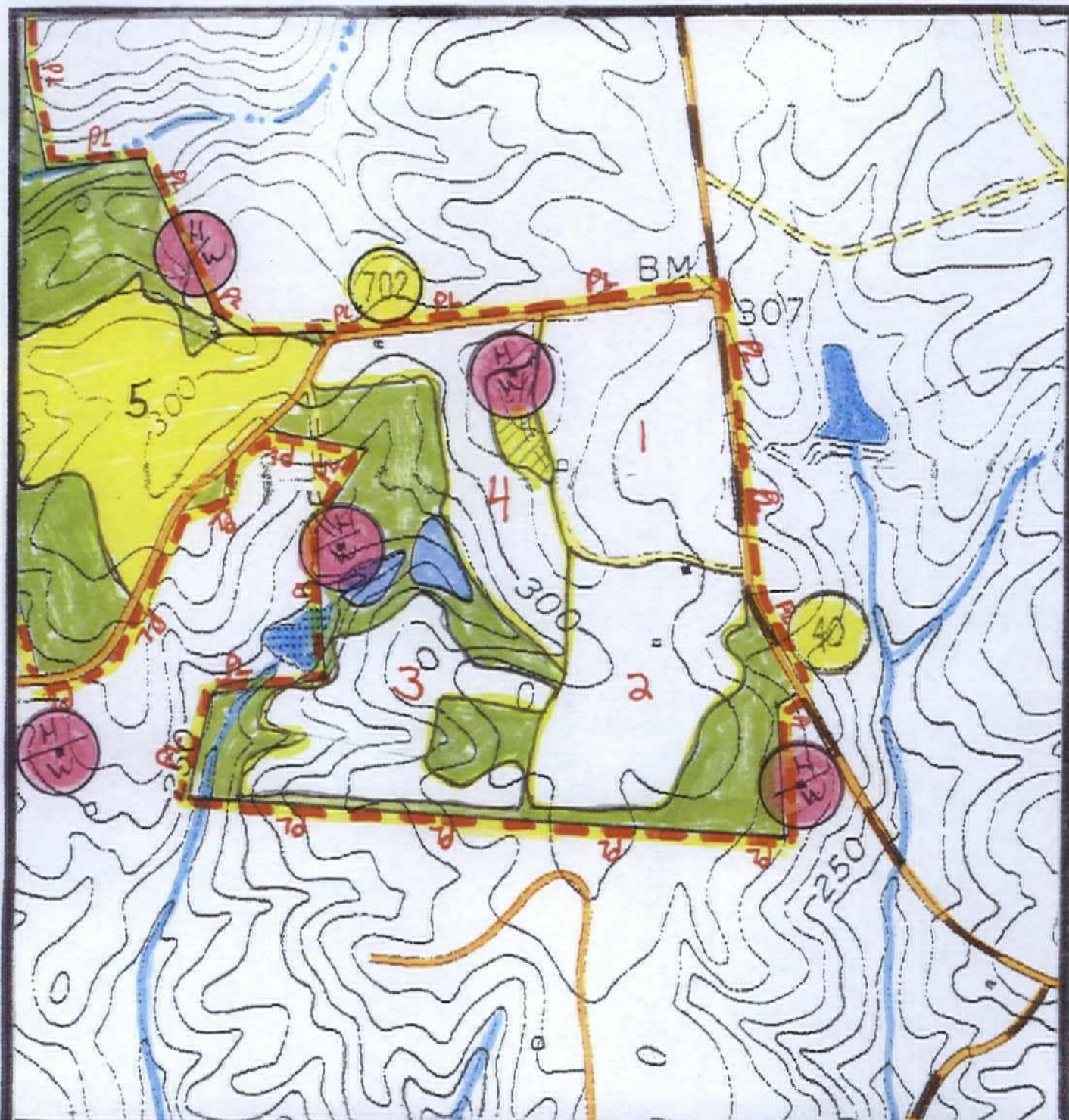
Slope



Frequent Flooding

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Scale: 1 inch = 660 feet

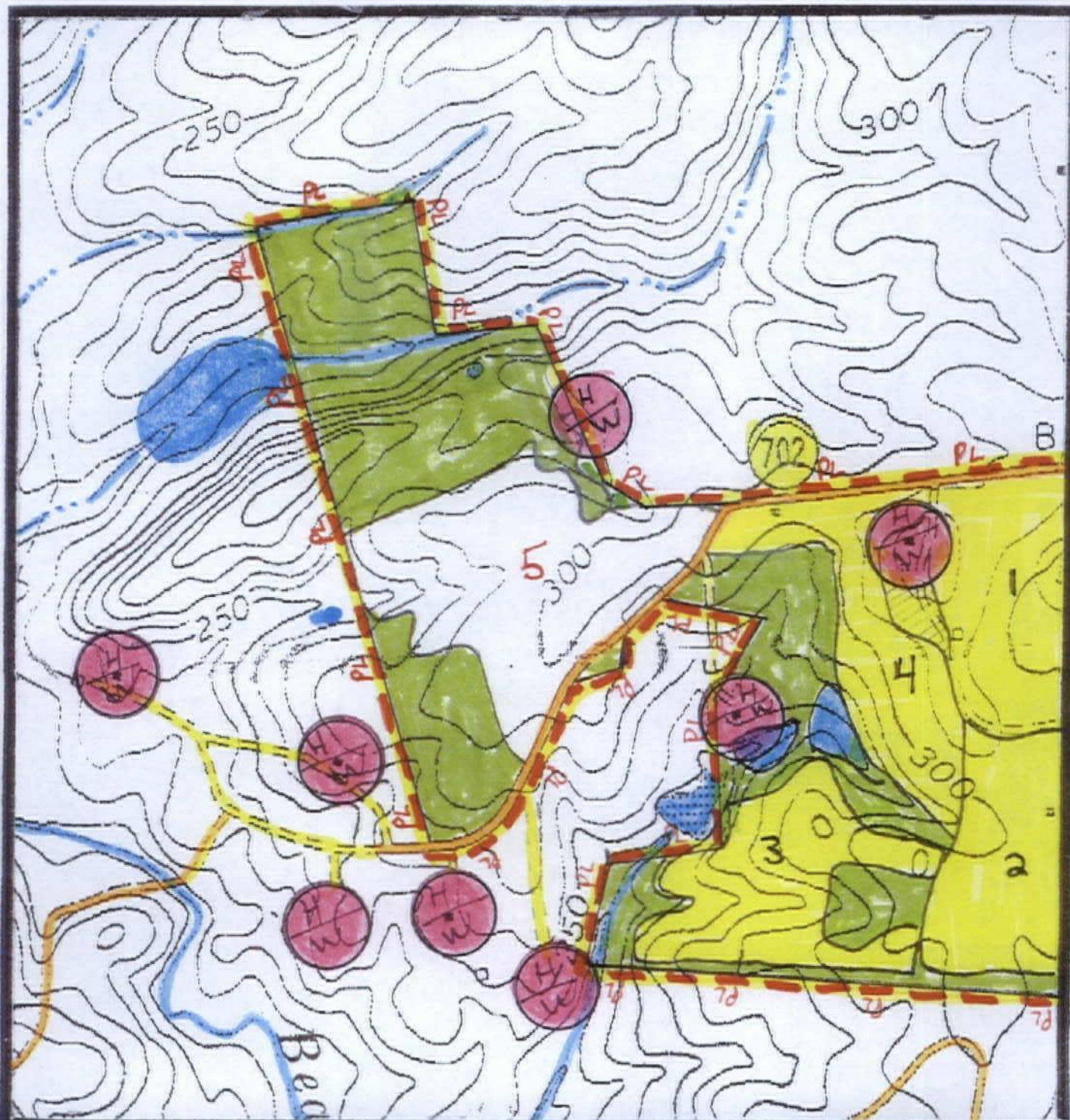
DWRHA 1-4

SITE PLAN



Recyc SystemsTM Inc.

(Biosolids Land Application)



Scale: 1 inch = 660 feet

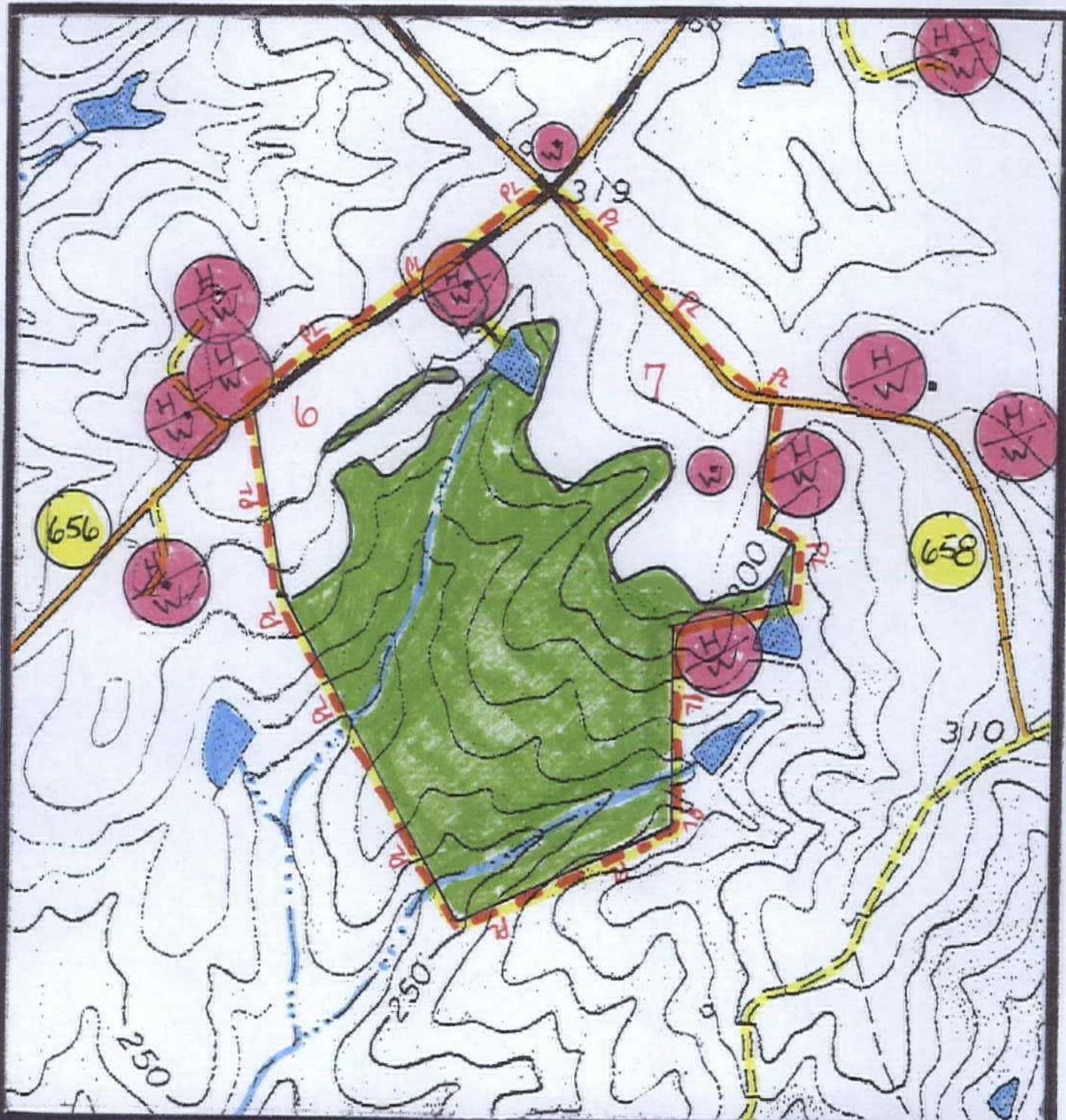
DWRHA 5

SITE PLAN



Recyc SystemsTM Inc.

(Biosolids Land Application)



Scale: 1 inch = 660 feet

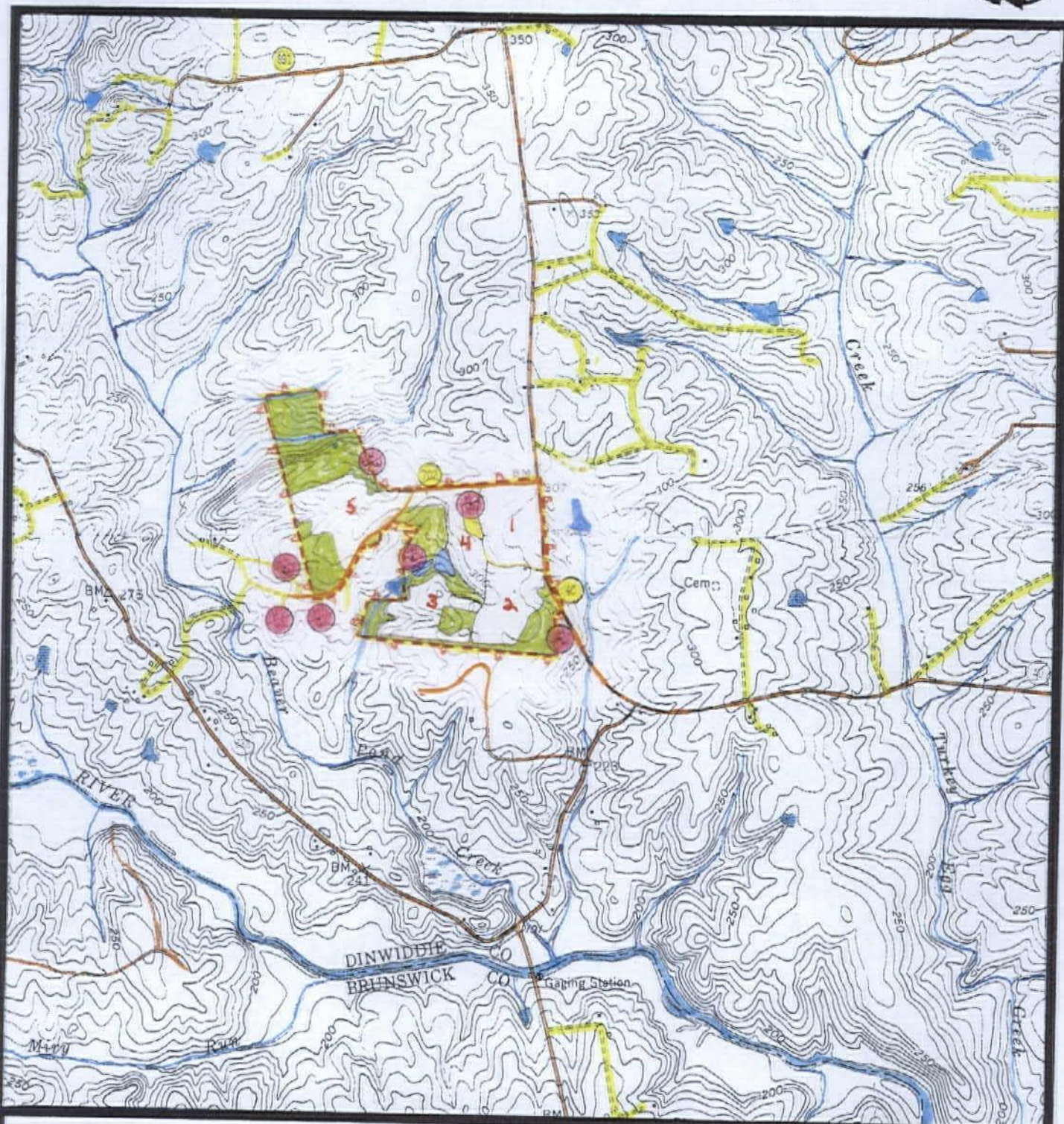
DWRHA 6-7

SITE PLAN



Recyc SystemsTM Inc.

(Biosolids Land Application)



Scale: 1 inch = 2,000 feet

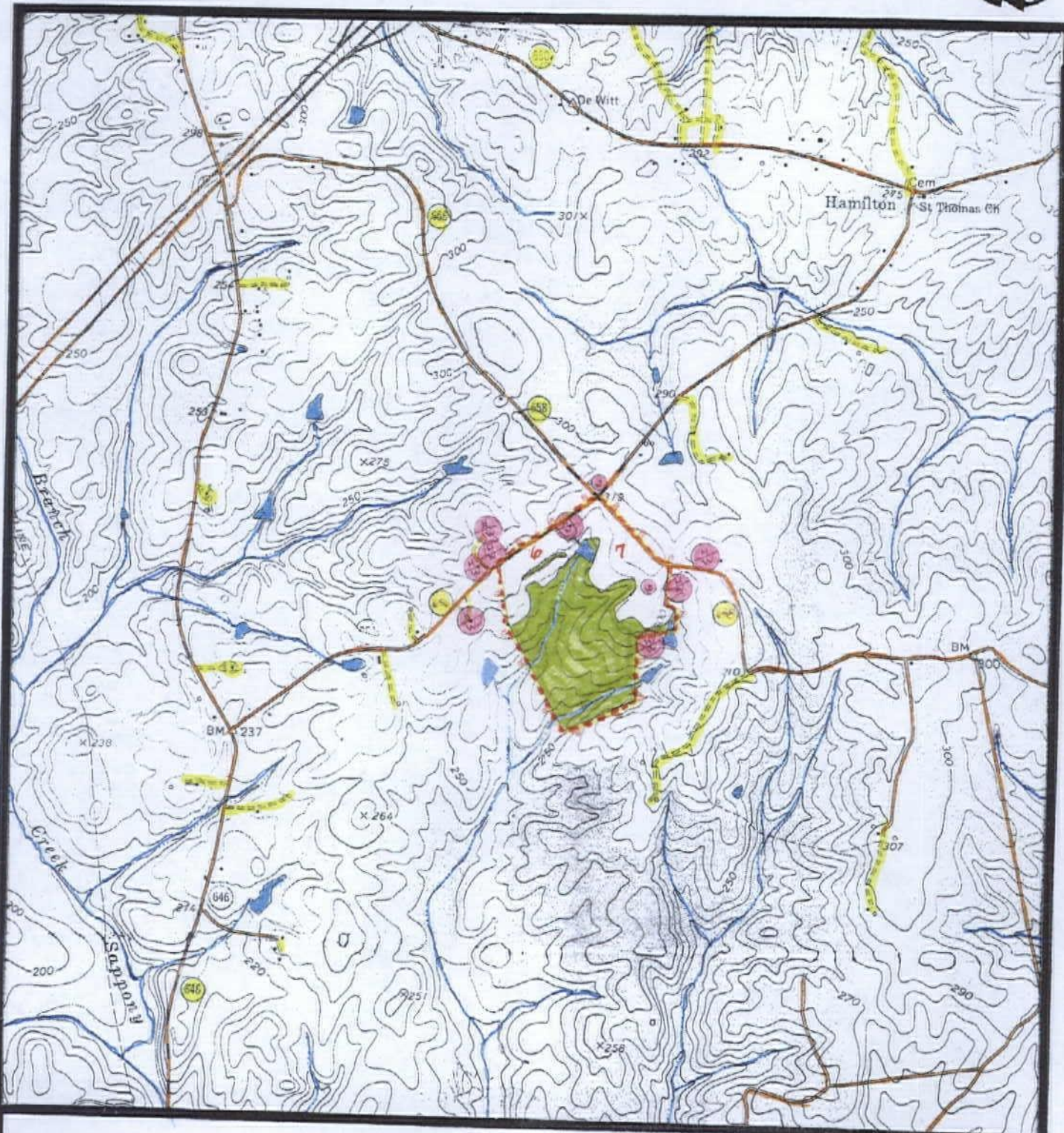
DWRHA 1-5

TOPOGRAPHIC MAP



Recyc SystemsTM Inc.

(Biosolids Land Application)



Scale: 1 inch = 2,000 feet

DWRHA 6-7

TOPOGRAPHIC MAP

